

11-29-01

A

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. VIXS.0100300      Total Pages 36  
First Inventor or Application Identifier Paul Ducharme  
Title A MONOLITHIC SEMICONDUCTOR DEVICE FOR  
PREVENTING EXTERNAL ACCESS TO AN ENCRYPTION KEY  
Express Mail Label No. EL855711948US

J1059 U.S. PTO  
09/995308

11/27/01

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

**ADDRESS TO:**

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ **Fee Transmittal Form**  
(Submit an original, and a duplicate for fee processing)
2. ☒ **Specification**      Total Pages 22  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to Microfiche Appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
3. ☒ **Drawings (35 USC 113) Total Sheets 5**
4. **Oath or Declaration**      Total Pages 2
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application  
(37 CFR 1.63(d))  
(for continuation/divisional with Box 16 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ Microfiche Computer Program (Appendix)

6. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Copy
  - b. ☐ Paper Copy (identical to computer copy)
  - c. ☐ Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

7. ☒ Assignment Papers (cover sheet & document(s))
8. ☐ 37 CFR 3.73(b) Statement      ☐ Power of Attorney  
(when there is an assignee)
9. ☐ English Translation Document (if applicable)
10. ☐ Information Disclosure      ☐ Copies of Statement (IDS)/PTO-1449      IDS Citations
11. ☐ Preliminary Amendment
12. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
13. ☐ Applicant claims small entity status.  
See 37 CFR 1.27  
☐ Statement filed in Prior Application, Status still proper and desired.
14. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15. ☒ Request & Certification Under 35 U.S.C. 122(b)(2)(B)(i)
16. ☐ Other

**16. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP)    of prior application No:

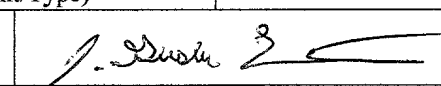
Prior Application Information: Examiner      Group / Art Unit:

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 4B, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**

☒ Customer Number or Bar Code Label **27412**      or, ☐ Correspondence Address Below

**Simon, Galasso & Frantz, PLC**  
**P.O. Box 26503**  
**Austin, Texas 78755-0503**  
**Telephone: 512-336-8957      Facsimile: 512-336-9155**

Name and Registration Number (Print/Type)	J. Gustav Larson, Reg. No. 39,263		
Signature		Date	11-27-01

# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ ) 590.00

## Complete if Known

Application Number  
Filing Date  
First Named Inventor Paul Ducharme  
Examiner Name  
Group Art Unit  
Attorney Docket No. VIXS.0100300

J1059 U.S. PTO  
09/995308



## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number 501835  
Deposit Account Name ViXS Systems, INC.

☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

☒ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
101	740	201	370	Utility filing fee
106	330	206	165	Design filing fee
107	510	207	255	Plant filing fee
108	740	208	370	Reissue filing fee
114	160	214	80	Provisional filing fee

Fee Paid

370.00

SUBTOTAL (1) (\$ )

### 2. EXTRA CLAIM FEES

Total Claims 40 - 20\*\* = 20 X 9.00 = 180.00  
Independent Claims 3 - 3\*\* = 0 X =  
Multiple Dependent X =

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
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103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ ) 180.00

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Fee Code	Large Entity (\$)	Fee Code	Small Entity (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	40.00
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ ) 40.00

## SUBMITTED BY

Name (Print/Type)	J. Gustav Larson	Registration No. (Attorney/Agent)	39,263	Telephone	512-336-8957
Signature				Date	11-27-01

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Paul Ducharme

Examiner:

Serial No:

Art Group:

Filing Date:

Docket No: VIXS.0100300

Title: A MONOLITHIC SEMICONDUCTOR DEVICE FOR PREVENTING  
EXTERNAL ACCESS TO AN ENCRYPTION KEY

To the Honorable Commissioner  
of Patents and Trademarks  
Washington, D.C. 20231

CERTIFICATE OF EXPRESS MAILING

Express Mail Label No. EL0100300

Name of Depositor: *Martha Rocha*  
**Terri Alloway**  
(print or type)

Date of Deposit: 11-27-2001

Signature: *Martha Rocha*

I hereby certify that this paper and the items identified below are being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. Section 1.10 on the 'Date of Deposit', indicated above, and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

Items accompanying this Certificate of Express Mailing:

- ☒ Filing papers for a new patent application, such filing papers include:
- ☒ Transmittal cover letter;
  - ☒ Fee Transmittal;
  - ☒ Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)
  - ☒ Assignment agreement with Recordation Form Cover Sheet;
  - ☒ A specification and drawings for a new patent application;
  - ☒ Combined Declaration and Power of Attorney;
  - ☐ Information Disclosure Statement; and
  - ☒ Return upon receipt post card.

<b>REQUEST AND CERTIFICATION UNDER 35 U.S.C. 122(b)(2)(B)(i)</b>	First Named Inventor	Paul Ducharme
	Title	AMONOLITHIC SEMICONDUCTOR DEVICE FOR PREVENTING EXTERNAL ACCESS TO AN ENCRYPTION KEY
	Atty Docket Number	VIXS.0100300

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. However, the Applicant retains the option to rescind this request at any time. I hereby request that the attached application not be published under 35 U.S.C. 122 (b).

11-27-01  
Date

  
Signature

J. Gustav Larson, Reg. No. 39,263  
Typed or Printed Name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published at eighteen months from the earliest claiming filing date for which a benefit is claimed.

If Applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the Applicant must notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**